FIG. 1

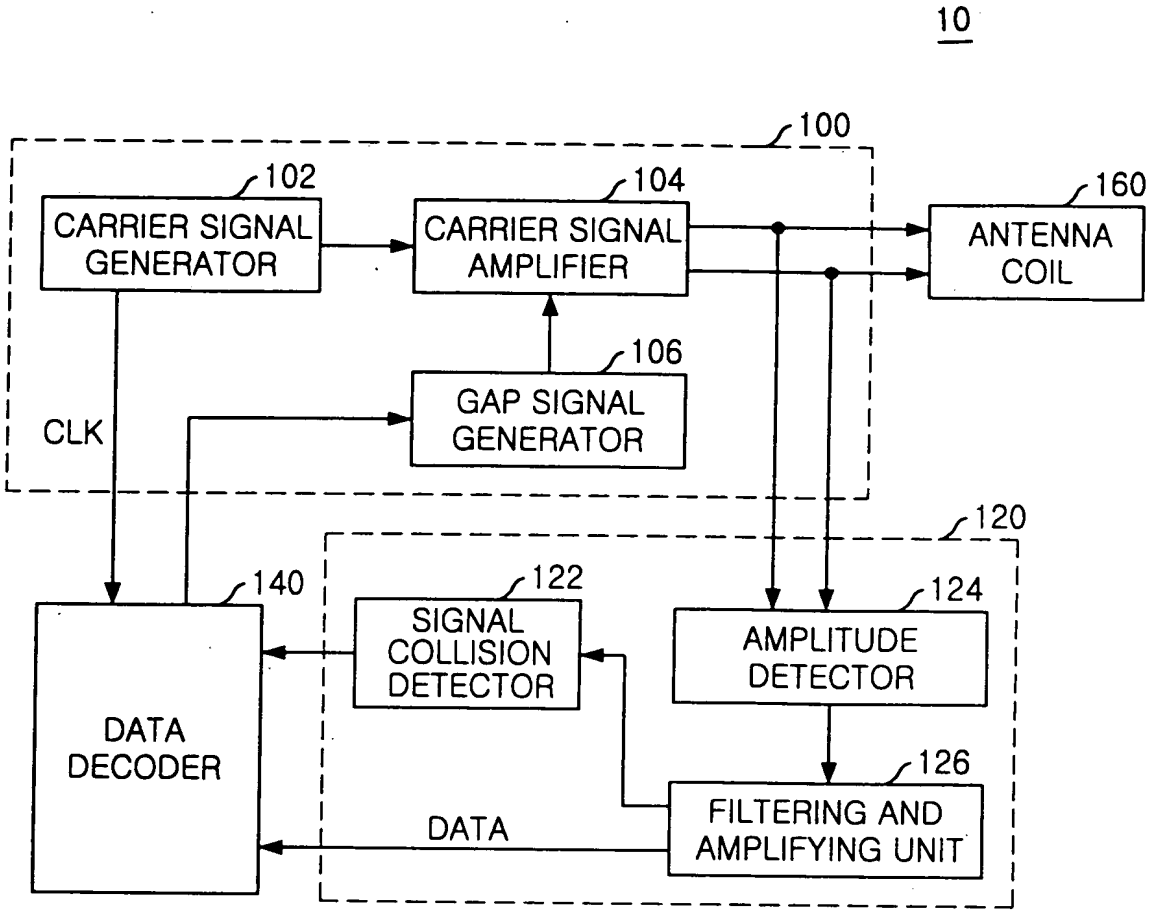

10
100
102
CARRIER SIGNAL GENERATOR
104
CARRIER SIGNAL AMPLIFIER
160
ANTENNA COIL
106
GAP SIGNAL GENERATOR
CLK
120
140
122
SIGNAL COLLISION DETECTOR
124
AMPLITUDE DETECTOR
DATA DECODER
126
FILTERING AND AMPLIFYING UNIT
DATA

FIG. 2

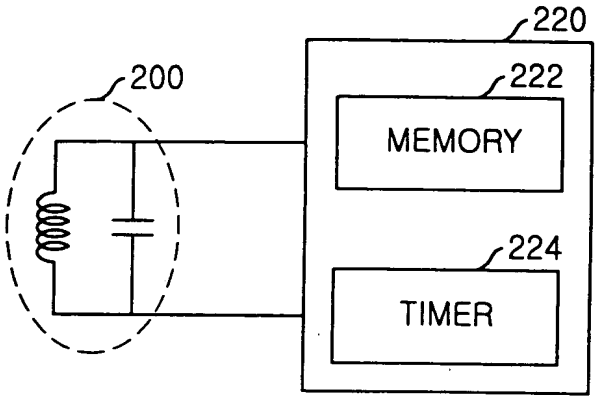

20
220
200
222
MEMORY
224
TIMER

FIG. 3

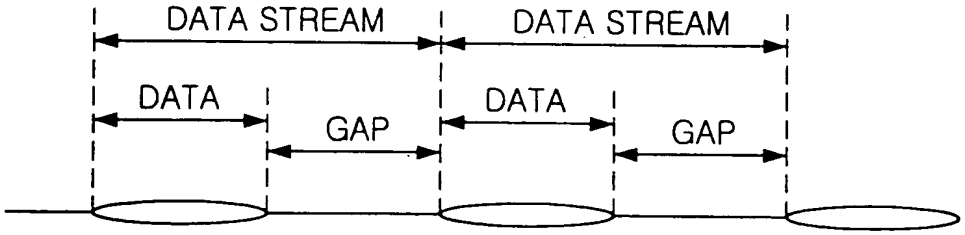
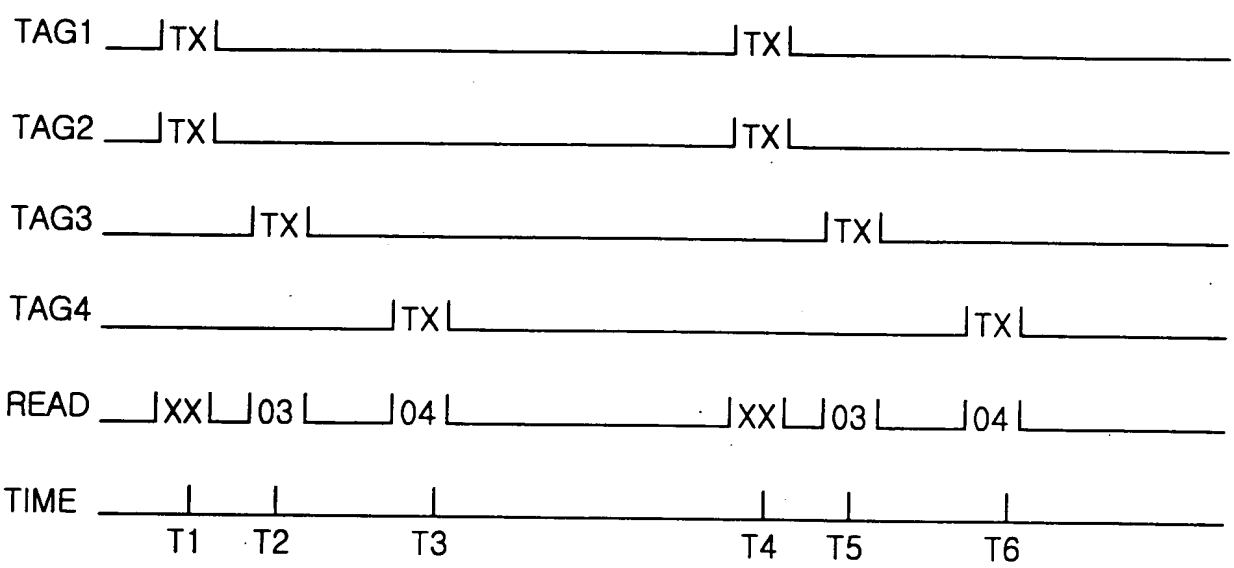

DATA STREAM
DATA STREAM
DATA
GAP
DATA
GAP

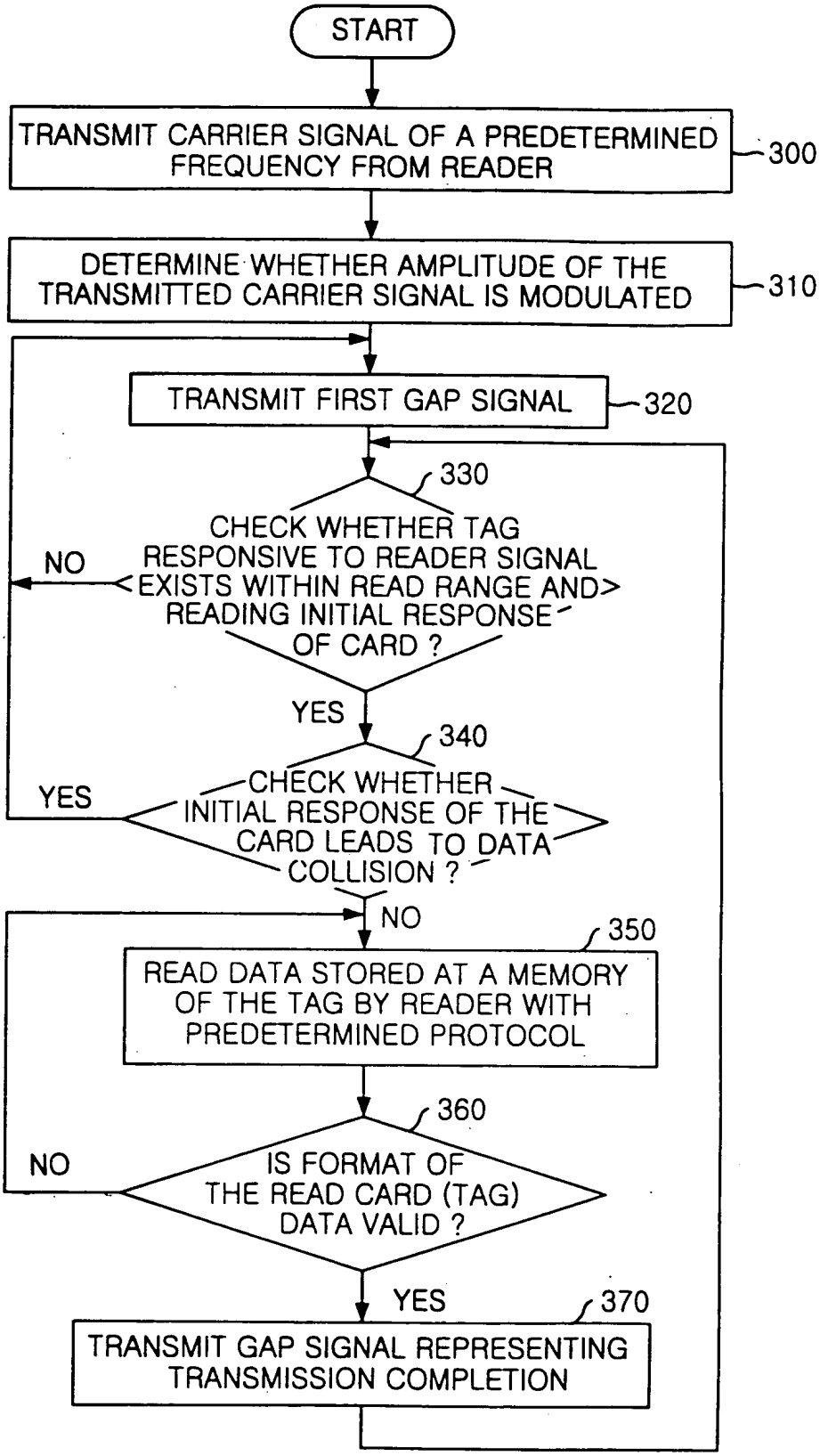
FIG. 4



T1, T4 : DATA COLLISION PERIOD
T2, T5 : TRANSFER PERIOD OF TAG3
T3, T6 : TRANSFER PERIOD OF TAG4

EP 0 945 818 A2

FIG. 5



0954682.080801